

## PATENT SPECIFICATION

855,268

DRAWINGS ATTACHED.

Inventor:—OSMOND PHILIP RAPHAEL.

Date of filing Complete Specification: Aug. 14, 1959.

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## COMPLETE SPECIFICATION.

## Spectacle Frames.

PATENTS ACT, 1949SPECIFICATION NO. 855,268

Reference has been directed, in pursuance of Section 8, of the Patents Act, 1949, to Specification Nos. 848,425 and 881,494.

THE PATENT OFFICE,  
13th September, 1962

DS 66974/1(2)R.109 200 8/62 PL

According to the first aspect of the present invention, a spectacle frame includes a magnet adapted for the magnetic attachment of a trim.

20 According to a second aspect of the present invention, a spectacle frame includes at least one trim attached to the frame by magnetic attraction.

25 Thus either the frame or the trim or both consist of or include magnetised material, and if only one of these items is magnetised then the other consists of or includes magnetically-attractable material. For instance, if the trims are magnetised, then the frame may consist of or include either magnetised or magnetically-attractable material. Conversely, if the frame is magnetised then the trims may consist of or include either magnetised or magnetically-attractable material.

35 One advantage of the invention is that it enables the trims to be removed or replaced or exchanged for different trims at the whim of the wearer. However, the invention can be used to provide a permanent fitting for the trims if desired, and in such a case the magnetic attachment may be assisted by

panying drawings in which:—

Figure 1 is a front elevation of the spectacle frame; and

Figure 2 is a section through the spectacle frame taken on the line 2—2 of Figure 1.

In the general construction, the spectacle frame shown in Figure 1 is of the usual type and consists of a front frame 1 which carries lenses 2 and two side pieces or temples which cannot be seen in the drawing but which are hinged to the rear sides of lugs 3 at each end of the frame member. In the front of the portions of the front frame 1 above each of the lenses there is a recess 4 which is generally rectangular and has rounded ends and which contains a small flat bar magnet 5 of the same general outline. As will be seen from Figure 2, the outer surface 6 of the bar magnet is recessed from the front surface 7 of the front frame 1.

The spectacles are fitted with a pair of identical trims only one, 8, of which is shown in the drawing, the left-hand side of the front frame being shown in Figure 1 without a trim fitted. Each of the trims consists of a piece of sheet material 9 carrying on its

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## COMPLETE SPECIFICATION.

## Spectacle Frames.

We, RAPHAELS LIMITED, a Company registered under the laws of Great Britain, of Charlton King's Road, Kentish Town, London, N.W.5, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to spectacle frames.

It is a known practice to attach decorative embellishments, commonly known as "trims", to spectacle frames, and it is an object of the invention to provide an improved way of attaching trims.

15 According to the first aspect of the present invention, a spectacle frame includes a magnet adapted for the magnetic attachment of a trim.

20 According to a second aspect of the present invention, a spectacle frame includes at least one trim attached to the frame by magnetic attraction.

25 Thus either the frame or the trim or both consist of or include magnetised material, and if only one of these items is magnetised then the other consists of or includes magnetically-attractable material. For instance, if the trims are magnetised, then the frame may consist of or include either magnetised or magnetically-attractable material. Conversely, if the frame is magnetised then the trims may consist or include either magnetised or magnetically-attractable material.

35 One advantage of the invention is that it enables the trims to be removed or replaced or exchanged for different trims at the whim of the wearer. However, the invention can be used to provide a permanent fitting for the trims if desired, and in such a case the magnetic attachment may be assisted by

other forms of fixing such as locating pins or adhesives. In any case, according to a preferred feature of the invention there is a spigot and socket connection between the trim and the frame to assist in location and to reduce the possibility of accidental displacement of the trim. In a preferred construction, the frame includes a bar magnet sunk below the surface of the frame in a recess and the trim carries a projecting bar magnet which fits in the recess.

The invention may be performed in various ways and one spectacle frame embodying the invention will now be described by way of example with reference to the accompanying drawings in which:—

Figure 1 is a front elevation of the spectacle frame; and

Figure 2 is a section through the spectacle frame taken on the line 2—2 of Figure 1.

In the general construction, the spectacle frame shown in Figure 1 is of the usual type and consists of a front frame 1 which carries lenses 2 and two side pieces or temples which cannot be seen in the drawing but which are hinged to the rear sides of lugs 3 at each end of the frame member. In the front of the portions of the front frame 1 above each of the lenses there is a recess 4 which is generally rectangular and has rounded ends and which contains a small flat bar magnet 5 of the same general outline. As will be seen from Figure 2, the outer surface 6 of the bar magnet is recessed from the front surface 7 of the front frame 1.

The spectacles are fitted with a pair of identical trims only one, 8, of which is shown in the drawing, the left-hand side of the front frame being shown in Figure 1 without a trim fitted. Each of the trims consists of a piece of sheet material 9 carrying on its

outer side any suitable form of decoration 10. To the back of each trim there is fastened by means of adhesive a small flat bar magnet 11 similar to the bar magnets 5 fitted to the front frame 1.

When the trim is fitted to the spectacle frame, the bar magnet 11 enters the recess 4, in the front frame and the two magnets 5 and 11 attract one another and the trim is held firmly on the front frame. The bar magnet 11 is a snug fit in the recess 4 and thus the trim is prevented from rotating relative to the front frame.

Although the trims have been described as being attached to the upper parts of the front frame of the spectacles they could clearly be attached in the same way to any other part on which decoration is required, for example the sides of the side pieces or temples.

WHAT WE CLAIM IS:—

1. A spectacle frame including a magnet

adapted for the magnetic attachment of a trim.

2. A spectacle frame including at least one trim attached to the frame by magnetic attraction.

3. A spectacle frame as claimed in Claim 2 in which there is also a spigot and socket connection between the trim and the spectacle frame.

4. A spectacle frame as claimed in Claim 3 in which a bar magnet is sunk in a recess below the surface of the frame and the trim carries a projecting bar magnet which fits the recess to provide the spigot and socket connection.

5. A spectacle frame including at least one trim substantially as described herein with reference to the accompanying drawings.

KILBURN & STRODE,

Agents for the Applicants.

## PROVISIONAL SPECIFICATION.

### Spectacle Frames.

We, RAPHAELS LIMITED, a Company registered under the laws of Great Britain, of Charlton King's Road, Kentish Town, London, N.W.5, do hereby declare this invention to be described in the following statement:—

This invention relates to spectacle frames.

It is a common practice to attach decorative embellishments, commonly known as "trims", to spectacle frames, and it is an object of the invention to provide an improved way of attaching trims.

According to the present invention trims are attached to a spectacle frame by magnetic attraction.

Thus, either the frame or the trims or both consist of or include magnetised material, and if only one of these items is magnetised then the other consists of or includes magnetically-attractable material. For instance, if the trims are magnetised then the frame may consist of or include

either magnetised or magnetically-attractable material. Conversely, if the frame is magnetised then the trims may consist of or include either magnetised or magnetically-attractable material.

Where the frame or the trims are made predominantly of a plastic material such as celluloid or cellulose acetate it may have magnetised or magnetically-attractable inserts.

One advantage of the invention is that it enables the trims to be removed and replaced, or exchanged for different trims, at the whim of the wearer. However, the invention can be used to provide a permanent fixing for the trims if desired. In such a case the magnetic fixing may be assisted by other forms of fixing such as locating pins or adhesives.

KILBURN & STRODE,  
Agents for the Applicants.

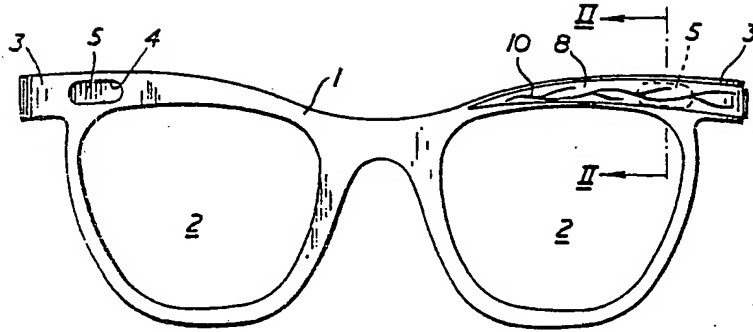


FIG. 1.

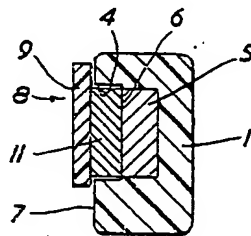


FIG. 2.